

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc%5	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:35
S2	40	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc\$5 and low\$4pass same filter\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:35
S3	26	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:36
S4	26	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:36
S5	18	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:37
S6	17	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:37
S7	1	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and calculat\$6 same differen\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:37
S8	1	expans\$5 near frequenc\$5 same bandwidth\$2 and sampI\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and calculat\$6 same differen\$4 and weigh\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:39

S9	16	expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:39
S10	1	expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4 and differen\$5 and calculat\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:40
S11	16	expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4 and differen\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:52
S12	16	expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and low\$4pass same filter\$5 and cut\$4off same frequenc\$5 and tim\$4 and waveform\$4 and peak\$4 and weigh\$4 and differen\$5 and conver\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:54
S13	11	expans\$5 near frequenc\$5 same bandwidth\$2 and conver\$5 same sampl\$5 near frequenc\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 13:54
S14	6	expans\$5 near frequenc\$5 same bandwidth\$2 and conver\$5 same sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:12
S15	7	expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:13
S16	26	expans\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:42
S17	19	(expans\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4) not (expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4)	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:14

S18	76	expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:28
S19	12	expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:32
S20	2517	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:33
S21	558	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:33
S22	154	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:34
S23	82	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:34
S24	15	(low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and "704"/\$.ccls.) not (expans\$5 near frequenc\$5 same bandwidth\$2 and sampl\$5 same frequenc\$5 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:35
S25	149	expans\$5 near frequen\$5 same bandwidth\$2	US-PGPUB; USPAT	OR	OFF	2004/07/02 16:37
S26	16	expans\$5 near frequen\$5 same bandwidth\$2 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:00
S27	133	(expans\$5 near frequen\$5 same bandwidth\$2) not (expans\$5 near frequen\$5 same bandwidth\$2 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:09
S28	7067	expans\$5 same frequen\$5 and sampl\$4 same frequen\$5	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:11
S29	726	expans\$5 same frequen\$5 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:11
S30	332	expans\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:12
S31	142	expans\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4 and low\$4pass\$4 near filter\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:12

S32	38	expans\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4 and low\$4pass\$4 near filter\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:13
S33	26	expans\$5 same frequen\$5 and bandwidth\$4 and sampl\$4 same frequen\$5 and digit\$5 same audi\$5 near signal\$4 and low\$4pass\$4 near filter\$4 and weigh\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 17:13
S34	16	low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signals\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:40
S35	21	low\$4pass\$4 near filter\$6 and audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:40
S36	5	(low\$4pass\$4 near filter\$6 and audi\$4 near signal\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and "704"/\$.ccls.) not (low\$4pass\$4 near filter\$6 and digit\$4 same audi\$4 near signals\$4 and cut\$4off near frequenc\$5 and wave\$4form\$4 and peak\$4 and weigh\$5 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:40
S37	48	expans\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and audi\$5 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:42
S38	22	(expans\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and audi\$5 near signal\$4) not (expans\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4)	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:44
S39	7	(expans\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and audi\$5 near signal\$4) not (expans\$5 near frequenc\$5 and sampl\$5 near frequenc\$5 and digit\$5 same audi\$5 near signal\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:48
S40	1098	frequenc\$4 near expans\$6	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:48

S41	58	frequenc\$4 near expan\$6 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/02 18:48
S42	100884	differen\$5 same (current\$4 or present\$4) and (past or histor\$4)	US-PGPUB; USPAT	OR	OFF	2004/07/06 13:08
S43	41015	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5	US-PGPUB; USPAT	OR	OFF	2004/07/06 13:08
S44	1718	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6	US-PGPUB; USPAT	OR	OFF	2004/07/06 13:09
S45	19	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4	US-PGPUB; USPAT	OR	OFF	2004/07/06 13:18
S46	9	differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4 and wave\$3form\$4	US-PGPUB; USPAT	OR	OFF	2004/07/06 13:11
S47	10	(differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4) not (differen\$5 same (current\$4 or present\$4) and (past or histor\$4) and weigh\$5 and low\$4pass same filter\$6 and polar\$6 same gradien\$4 and wave\$3form\$4)	US-PGPUB; USPAT	OR	OFF	2004/07/06 13:15
S48	8	differen\$5 same (calculat\$6 or comput\$7) and ((current\$4 or present\$4) same (past or histor\$4)) near (data or information) and weigh\$5 same differen\$5 and low\$4pass same filter\$6 and output\$5	US-PGPUB; USPAT	OR	OFF	2004/07/06 14:00
S49	28	differen\$5 same (calculat\$6 or comput\$7) and ((current\$4 or present\$4) same (past or histor\$4)) near (data or information) and low\$4pass same filter\$6	US-PGPUB; USPAT	OR	OFF	2004/07/06 14:12
S50	24	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) ande (past or histor\$4)) near (data or information) and low\$4pass same filter\$6	US-PGPUB; USPAT	OR	OFF	2004/07/06 14:13

S51	17	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (past or histor\$4)) and low\$4pass same filter\$6	US-PGPUB; USPAT	OR	OFF	2004/07/06 14:15
S52	6	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/06 14:19
S53	152	differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6	US-PGPUB; USPAT	OR	OFF	2004/07/06 14:21
S54	11	(US-6098046-\$ or US-5920842-\$ or US-5828994-\$ or US-5799276-\$ or US-5596677-\$ or US-6504838-\$ or US-6091777-\$ or US-5740283-\$ or US-5535244-\$ or US-4633720-\$).did. or (US-20020029148-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/07/06 15:20
S55	9	((US-6098046-\$ or US-5920842-\$ or US-5828994-\$ or US-5799276-\$ or US-5596677-\$ or US-6504838-\$ or US-6091777-\$ or US-5740283-\$ or US-5535244-\$ or US-4633720-\$).did. or (US-20020029148-\$).did.) and (differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6)	US-PGPUB; USPAT	OR	OFF	2004/07/06 15:20
S56	5	((US-6098046-\$ or US-5920842-\$ or US-5828994-\$ or US-5799276-\$ or US-5596677-\$ or US-6504838-\$ or US-6091777-\$ or US-5740283-\$ or US-5535244-\$ or US-4633720-\$).did. or (US-20020029148-\$).did.) and (differen\$5 near (calculat\$6 or comput\$7) same ((current\$4 or present\$4) and (previous\$4 or past or histor\$4)) and low\$4pass same filter\$6) and weigh\$5	US-PGPUB; USPAT	OR	OFF	2004/07/06 15:46
S57	1	adjacent same wave\$4form\$4 near peak\$4 and polarit\$5 near gradien\$4	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:18
S58	250	polarit\$5 near gradien\$4	US-PGPUB; USPAT	OR	OFF	2004/07/06 15:48
S59	1	polarit\$5 near gradien\$4 and adjacent and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/06 15:48

S60	93	polarit\$5 near gradien\$4 and adjacent	US-PGPUB; USPAT	OR	OFF	2004/07/06 16:05
S61	39	polarit\$5 near gradien\$4 and adjacent and wave\$4form\$4	US-PGPUB; USPAT	OR	OFF	2004/07/06 16:06
S62	20	polarit\$5 near gradien\$4 and adjacent and wave\$4form\$4 same differ\$5	US-PGPUB; USPAT	OR	OFF	2004/07/06 16:08
S63	47	add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:24
S64	5	add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:22
S65	7	(add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:22
S66	2	((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:23
S67	81	(add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:31
S68	76	((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:25
S69	74	(((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:25

S70	74	((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.))	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:25
S71	209	(add\$6 or sum\$7) near weigh\$ same low\$4pass\$4	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:31
S72	204	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.))) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.))	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:32

S73		3	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:31
S74	669676		((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) and filter\$6 and differen\$5	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:33

S75	198	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) and filter\$6 and differen\$5	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:33
S76	15	((add\$6 or sum\$7) near weigh\$ same low\$4pass\$4) not (((((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not ((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) not (((add\$6 or sum\$7) same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.) not (add\$6 same weigh\$ near differenc\$5 and low\$4pass\$4 same filter\$6 and "704"/\$.ccls.)) and filter\$6 and differen\$5 and audi\$5 near signal\$4	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:33
S77	1	"5893068".pn.	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:55
S78	1	"5828994".pn.	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:55
S79	1	"3795876".pn.	US-PGPUB; USPAT	OR	OFF	2004/07/06 19:55
S80	1	"3795876".pn.	US-PGPUB; USPAT	OR	OFF	2005/06/16 14:31
S81	211	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/16 14:50

S82	2	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) same low\$4pass\$7	US-PGPUB; USPAT	OR	OFF	2005/06/16 14:52
S83	2231602	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4)s	US-PGPUB; USPAT	OR	OFF	2005/06/16 14:53
S84	211	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/16 14:53
S85	88	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and (digit\$5 audi\$4 speech\$4 voic\$4) near signal\$4	US-PGPUB; USPAT	OR	OFF	2005/06/16 14:55
S86	3	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) same (sampl\$4 near frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/16 15:00
S87	8	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) same ((sampl\$4 conver\$4) with frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/16 15:00
S88	8	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) same ((sampl\$4 conver\$5) with frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/16 15:05
S89	46	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and tim\$4 with ((sampl\$4 conver\$5) with frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/16 15:05
S90	12	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and tim\$4 near interval\$4 with ((sampl\$4 conver\$5) with frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/16 15:08
S91	51	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/17 10:06
S92	6	(US-6167375-\$ or US-5018428-\$ or US-4922465-\$ or US-4658369-\$ or US-4521803-\$ or US-4351219-\$).did.	USPAT	OR	OFF	2005/06/17 08:39

S93	6	((US-6167375-\$ or US-5018428-\$ or US-4922465-\$ or US-4658369-\$ or US-4521803-\$ or US-4351219-\$).did.) and (tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4)	USPAT	OR	OFF	2005/06/17 10:02
S94	4	((US-6167375-\$ or US-5018428-\$ or US-4922465-\$ or US-4658369-\$ or US-4521803-\$ or US-4351219-\$).did.) and (tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4) and (polar\$4 gradien\$4)	USPAT	OR	OFF	2005/06/17 08:43
S95	3	((US-6167375-\$ or US-5018428-\$ or US-4922465-\$ or US-4658369-\$ or US-4521803-\$ or US-4351219-\$).did.) and (tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4) and (polar\$4 gradien\$4) and (low\$4pass\$4)	USPAT	OR	OFF	2005/06/17 08:43
S96	4	((US-6167375-\$ or US-5018428-\$ or US-4922465-\$ or US-4658369-\$ or US-4521803-\$ or US-4351219-\$).did.) and (tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4) and peak\$4	USPAT	OR	OFF	2005/06/17 10:02
S97	79	(tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near peak\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/17 10:06
S98	18	((tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near peak\$4) same wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/17 10:07
S99	3	(US-6717984-\$ or US-6570722-\$ or US-5812970-\$).did.	USPAT	OR	OFF	2005/06/17 10:34

S10 0	3	((US-6717984-\$ or US-6570722-\$ or US-5812970-\$).did.) and ((tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near peak\$4) same wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4)	USPAT	OR	OFF	2005/06/17 10:35
S10 1	3	((US-6717984-\$ or US-6570722-\$ or US-5812970-\$).did.) and ((tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near peak\$4) same wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4) and (gradient\$4 polar\$6 sign\$4)	USPAT	OR	OFF	2005/06/17 10:36
S10 2	2	((US-6717984-\$ or US-6570722-\$ or US-5812970-\$).did.) and ((tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near peak\$4) same wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with frequenc\$4) and (gradient\$4 polar\$6 signs sign)	USPAT	OR	OFF	2005/06/17 10:41
S10 3	10	((tim\$4 interval\$4) with ((adjacent\$4 besid\$4 clos\$4 nearby\$4) near peak\$4) same wave\$4form\$4) and (tim\$4 interval\$4) with ((sampl\$4 conver\$5) with (period frequenc\$4)) and (gradient\$4 polar\$6 signs sign)	USPAT	OR	OFF	2005/06/17 10:41